QSC 2021 VMDR Overview



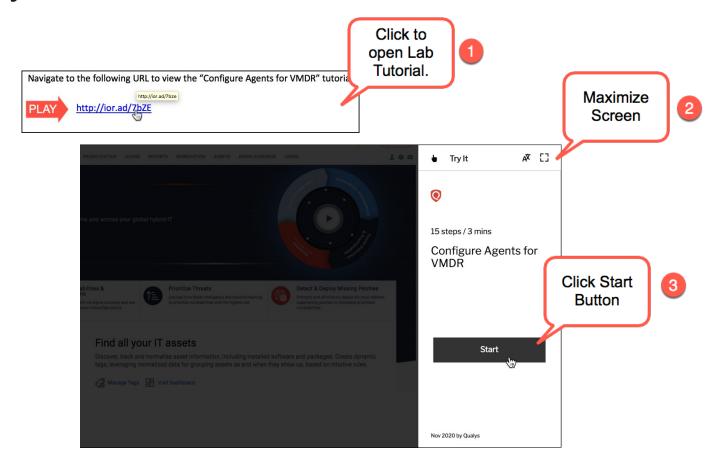
VMDR Training Documents

- QSC 2021 VMDR Overview Lab Supplement
- QSC 2021 VMDR Overview Slides

You can download both documents, just below the presentation you are viewing (at the bottom of the page).



Play Lab Tutorials





Qualys VMDR Lifecycle





VMDR Agenda

- 1. Asset Management
 - Qualys Sensor Overview
 - CyberSecurity Asset Management (CSAM)
- 2. Vulnerability Management (VM)
 - Vulnerability Findings
 - Dashboards & Widgets
- 3. Threat Detection & Prioritization (TP)
 - Threat Intelligence Feed
 - VMDR Prioritization Report
- 4. Response Patch Management (PM)
 - Deployment Jobs
 - Patch Catalog



Asset Management



CIS Control 1: Inventory and Control of Enterprise Assets



Overview

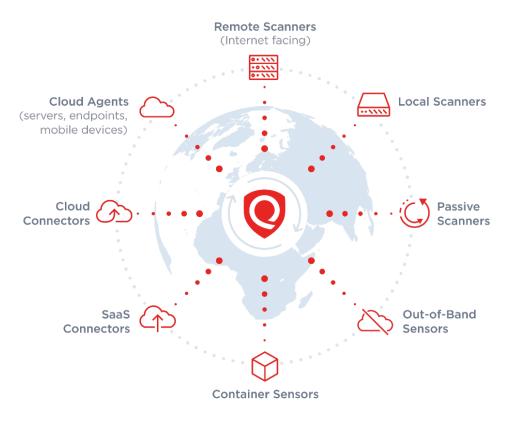
Actively manage (inventory, track, and correct) all enterprise assets (end-user devices, including portable and mobile; network devices; non-computing/Internet of Things (IoT) devices; and servers) connected to the infrastructure physically, virtually, remotely, and those within cloud environments, to accurately know the totality of assets that need to be monitored and protected within the enterprise. This will also support identifying unauthorized and unmanaged assets to remove or remediate.



https://www.cisecurity.org/controls/inventory-and-control-of-enterprise-assets/



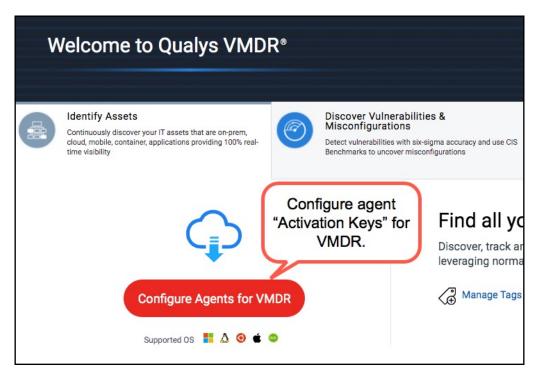
Qualys Sensor Platform







Configure Agents for VMDR



- The patching and response functions in VMDR require Cloud Agent.
- Some Agent Activation Keys may need to be updated to include the VMDR application modules (i.e., VM, CSAM, SCA, and PM).



Lab 1: Configure Agents for VMDR

Please consult pages 3 to 13 in the lab tutorial supplement for details.

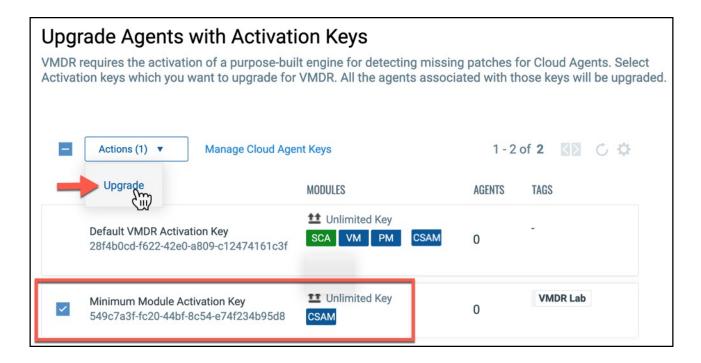


Tutorial begins on page 4.

10 mins



Upgrade Agent Activation Keys

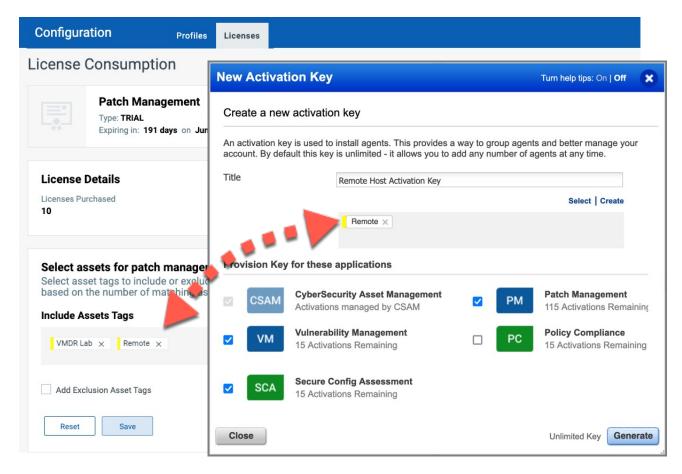


 Upgrade Agent Activation Keys to include VMDR application modules (i.e., VM, SCA, PM, CSAM).



Activation Key Tagging Strategy

BEST PRACTICE:
 Assign "static" tags
 to agent Activation
 Keys and use them
 to ensure agent
 hosts receive their
 appropriate
 performance
 settings, patching
 licenses, and patch
 job assignments.





CyberSecurity Asset Management



Two Asset Management Applications

Global AssetView (GAV)

Provides foundational inventory gathering capabilities for all assets in your IT environment, from on-premise servers and PCs, to Cloud instances, containers, Enterprise IoT and OT environments.



CyberSecurity Asset Management (CSAM)

Delivers additional capabilities on top of GAV to provide users with cybersecurity related content, such as product lifecycle information, ability to define authorized and unauthorized software and integration with ServiceNow CMDB among others.



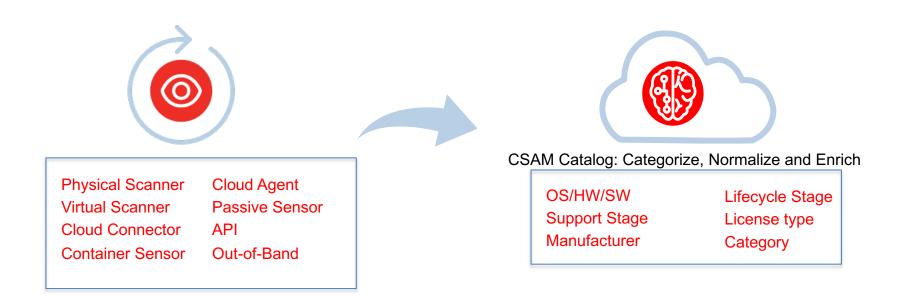


CSAM or GAV

KEY	FEATURES	GAV (free)	CSAM
	Get complete visibility into your environment Discover and inventory all your assets	~	~
•	View categorized and normalized hardware and software information Standardize your inventory	~	~
	Define criticality and find related assets Add business context through dynamic tagging	~	~
00	Find and upgrade unsupported software and hardware Know product lifecycle and support information	X	~
00 1	Eliminate unauthorized software from your environment Quickly identify non-compliant assets	X	~
	Be informed about assets requiring attention Receive notifications to review and define actions	X	✓
\$\frac{1}{2} \land \frac{1}{2}	Inform stakeholders about health of your assets Create custom reports	X	~
	Easily keep your CMDB up to date Enable 2-way integration to sync with ServiceNow CMDB	X	~



Comprehensive Asset & Software Inventory



Qualys CyberSecurity Asset Management (CSAM) aggregates data from all sensors.



Qualys Categorization, Normalization & Enrichment

Operating Systems

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ŀ	0

Normalization & categorization



Advanced asset information

Raw Data	Base OS Runtime AIX: 06.01.0009.0300 EE	Dell, Inc. R510	mysql-community-server 5.6.35-2.el7.x86_64
Category	UNIX > Server	Computers > Server	Databases > RDBMS
Manufacturer	IBM	Dell	Sun Microsystems
Owner	IBM	Dell	Oracle
Product	AIX	PowerEdge	MySQL Server
Market Version / Model	6	R510	5
Edition	Enterprise	-	Community
Version	6.1	-	5.6
Update	TL9 SP3	-	35-2.el6
Architecture	64-Bit	-	64-Bit
Lifecycle Stage	EOL/EOS	OBS	EOL
End-of-Life	30-Apr-2015	1-Sep-2012	28-Feb-2018
End-of-Support	30-Apr-2017	1-Sep-2012	28-Feb-2021
Support Stage	Unsupported	Obsolete	Extended Support
License Type	Commercial	-	Open Source (GPL-2.0)

Hardware

Software

Search Hardware Categories

hardware.category1: value1

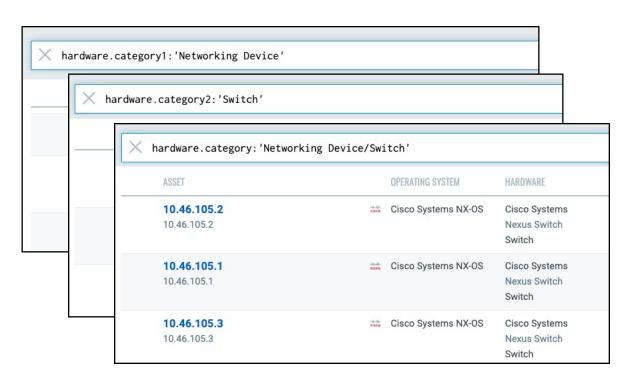
hardware.category2: value2

hardware.category: value1 / value2

hardware.category1: 'Networking Device'

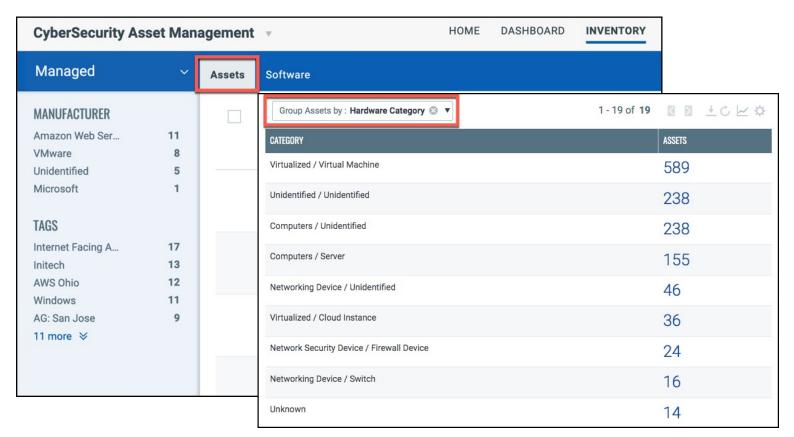
hardware.category2: `Switch`

hardware.category: 'Networking Device / Switch'





Hardware Category List



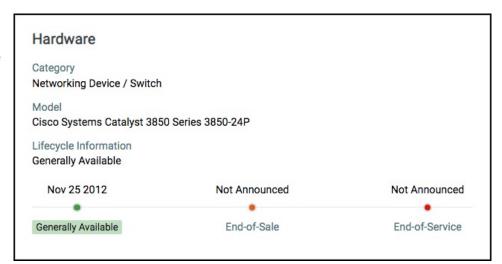
From the "Assets" tab, group assets by Hardware Category.



Hardware Lifecycle Stage

Search Token: hardware.lifecycle.stage: value

- General Availability (GA) Hardware is in production, available
 for purchase, and supported
- End of Sale (EOS)- No longer being sold or by vendor
- Obsolete (OBS) End-of-Service; no longer serviced via upgrades, patches, or maintenance
- Intro (INTRO)- hardware introduction date of interest





Search OS Categories

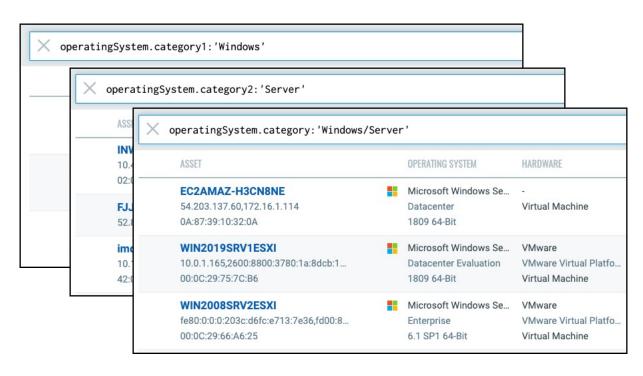
operatingSystem.category1: value1 operatingSystem.category2: value2

operatingSystem.category: value1 / value2

operatingSystem.category1: `Windows`

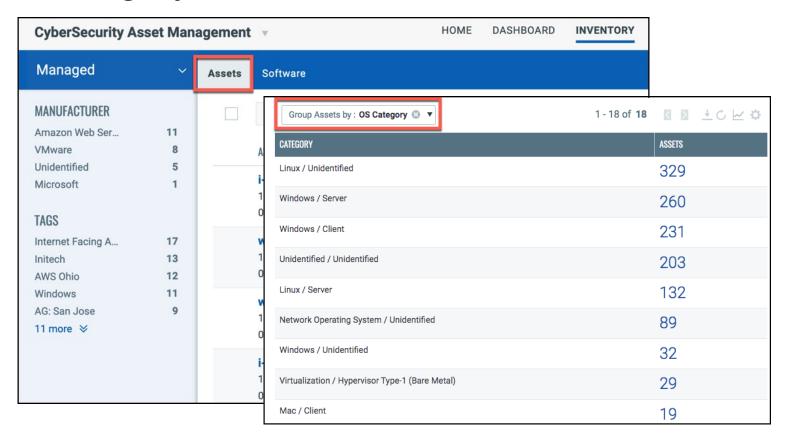
operatingSystem.category2: `Server`

operatingSystem.category: `Windows / Server`





OS Category List



From the "Assets" tab, group assets by OS Category.



Search Software Categories

software:(category1: value1)
software:(category2: value2)

software:(category: value1 / value2)

software:(category1: `Security`)

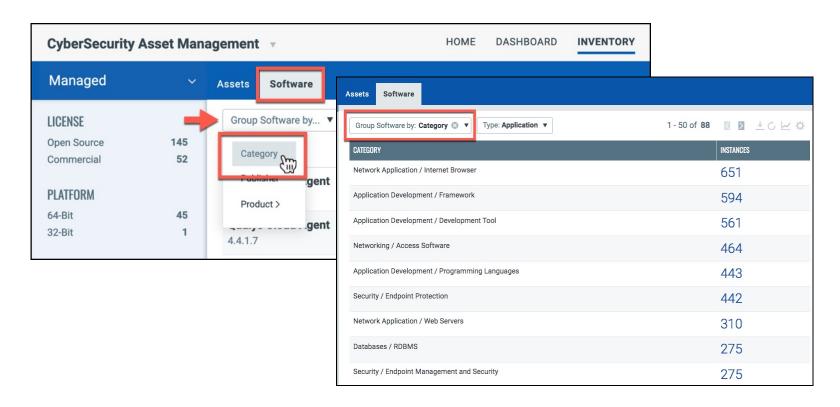
software:(category2: `Endpoint Protection`)

software:(category: `Security / Endpoint Protection`)





Software Category List



From the "Software" tab, group software by Category.



OS & Software Lifecycle Stages

Search Tokens:

operatingSystem.lifecycle.stage: value software: (lifecycle.stage: value)

- Generally Available (GA) -When the product became available for purchase.
- End-of-Life (EOL) No longer marketing, selling, building new features, or promoting product (Security patches may still be provided).
- End-of-Service (EOS) No longer serviced via upgrades, patches, or maintenance.





Lab 2 : Search Using Categories

Please consult pages 14 to 15 in the lab tutorial supplement for details.



Tutorial begins on page 15.

5 mins



Software License Category

Commercial – Supported by vendor.

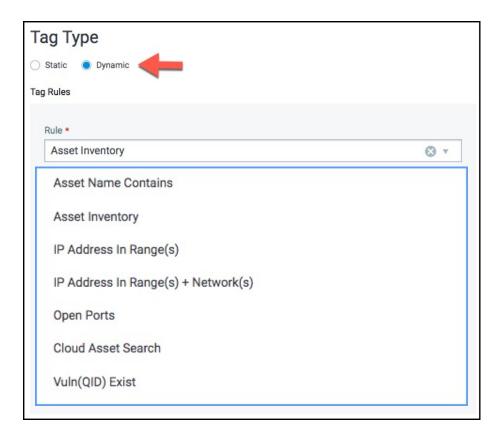
```
X software:(license.category:'Commercial')
```

Open Source – Free for public use.

```
X software:(license.category:'Open Source')
```



Dynamic Rule-Based Tags



- The "Asset Inventory" rule engine allows you to build tags using query tokens, including the Hardware, OS, and Software category tokens.
- Other "dynamic" rule engines are also available.



Lab 3: Dynamic Rule-Based Tags

Please consult pages 16 to 17 in the lab tutorial supplement for details.



Tutorial begins on page 16.

5 mins



Unidentified vs. Unknown

Some OS and Hardware assets may appear as "unidentified" or "unknown."

Unidentified

 Not enough data has been discovered/collected for Qualys to determine the asset's hardware or operating system.

Unknown

 Adequate data exists for Qualys to categorize the asset, but it has yet to be cataloged.



Network Passive Sensor



Passive Sensor Overview



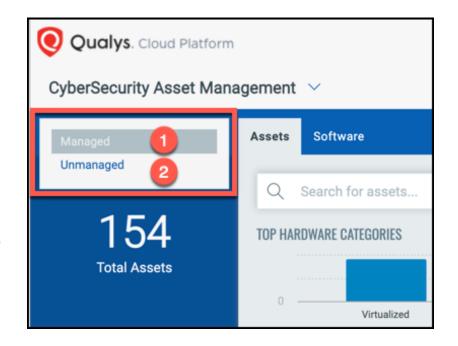
- Sniffs traffic via network TAP or the SPAN port of a network switch.
- Captured data and traffic is sent to the Qualys Platform for analysis and processing.
- 1. Discovered assets not in your account, are placed in the "Unmanaged" section of Qualys CSAM.
- 2. Enable "Traffic Analysis" to reveal communication between assets, including conversations between managed and unmanaged assets.



Managed vs. Unmanaged Assets



- 1. If discovered data is confirmed to match an asset already in your account, its information will be merged with the existing asset.
- Discovered assets not in your account, are placed in the "Unmanaged" section of Qualys CSAM.





Unmanaged Assets



ASSET	OPERATING SYSTEM	HARDWARE	INVENTORY
- bc:a5:11:b8:e5:94	Confidence level: HIGH	GS324TP S350 Series 24	Passive Sensor © First: Sep 02 2020 Last: Sep 02 2020
Ubuntu19esxi 10.0.1.253	Debian Project Debian	Unidentified	Passive Sensor © First: Mar 26 2020
00:0c:29:82:ab:7a			Last: Sep 02 2020

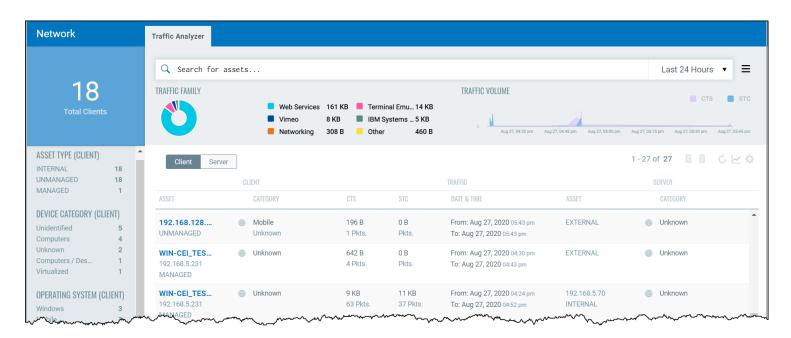
- It is common to find unidentified or unknown values within the "Unmanaged" assets section of the CyberSecurity Asset Management application.
- Confidence levels are provided (LOW, MEDIUM, HIGH) for OS and hardware findings.



Network Traffic Analyzer

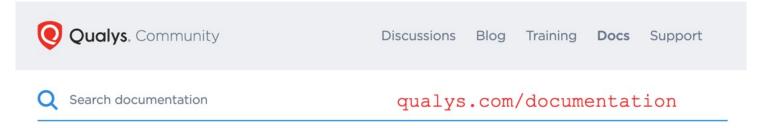


Conversations between assets can offer new discoveries and insights.





Network Passive Sensor User Guides



Sensors

- + Cloud Agents
- + Scanner Appliance

Network Passive Sensor
Online Help
Getting Started Guide
Physical Appliance User Guide
Virtual Appliance User Guide
Deployment Guide
Release Notes
Training

✓ Stay up-to-date with the latest sensor features and specifications.



CMDB Sync



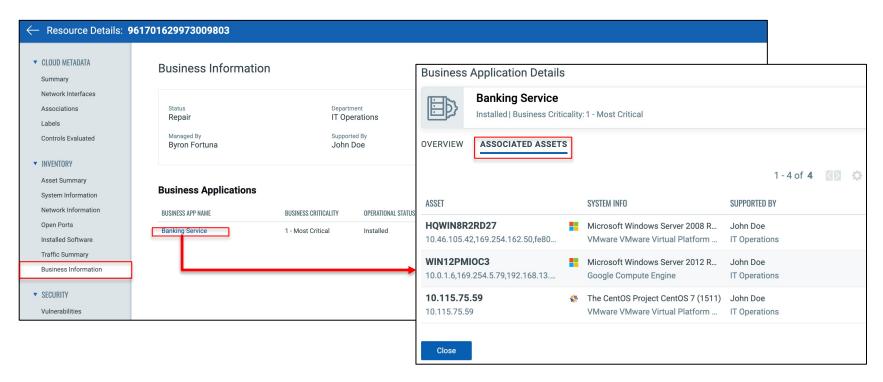
Certified ServiceNow CMDB Sync App



- Supports 2-way sync (Qualys to ServiceNow and ServiceNow to Qualys)
- Up-to-date, categorized, normalized, and enriched ServiceNow CMDB
- Enrich Qualys assets with key CMDB business data
- Synchronization schedules can be configured and saved.
- Asset metadata is only synchronized for assets that already exist in both Qualys and ServiceNow.
- Optionally, asset information is staged for user approval before being written to CMDB.



Import Business Attributes from ServiceNow CMDB



- Automatically import business application and business context attributes from ServiceNow CMDB
- Identify other assets associated with a business application



Use Business Attributes to Search for Assets

businessApp:(businessCriticality

businessApp:(environment

businessApp:(id

businessApp:(managedBy

businessApp:(name

businessApp:(operationalStatus

businessApp:(ownedBy

businessApp:(supportGroup

businessApp:(supportedBy

- Use any of the "businessApp" search tokens to single out assets, based on the business information and characteristics provided by ServiceNow.
- Queries using these tokens will impact assets already synchronized.



Lab 4: CMDB Sync and Business Context

Please consult pages 18 to 19 in the lab tutorial supplement for details.



Tutorial begins on page 18.

5 mins



Integration with ServiceNow CMDB

To implement ServiceNow CMDB Integration, a Qualys subscription with API access is required, along with the following application modules:

- CSAM
- Vulnerability Management

1. Qualys CMDB Sync App

Install the Qualys CMDB Sync App (available in ServiceNow Online Store)

2. Qualys CMDB Sync Service Graph Connector App

- Install the Qualys Service Graph Connector App (available in ServiceNow Online Store)
- ITOM Visibility license in ServiceNow



CMDB Sync App User Guides



Cloud Apps

IT Asset Management

- + Global AssetView
- + CyberSecurity Asset Management
- + AssetView
- CMDB Sync

Qualys CMDB Sync Service Graph Connector App Qualys CMDB Sync App

+ Certificate Inventory



Public APIs for CMDB Sync

- CSAM now supports import of Asset business metadata and Business app metadata from your CMDB into your Qualys asset inventory (using v2 APIs).
- Imported business attributes are listed in the Asset Details page.
- User must have access to the CSAM module with API enabled for that role.
- Currently supports maximum 250 records for import in one API call for both Asset and Business app metadata.



Authorized & Unauthorized Software



CIS Control 2: Inventory and Control of Software Assets



Overview

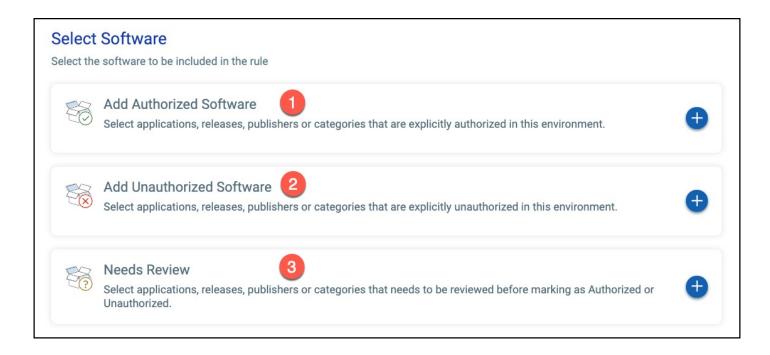
Actively manage (inventory, track, and correct) all software (operating systems and applications) on the network so that only authorized software is installed and can execute, and that unauthorized and unmanaged software is found and prevented from installation or execution.



https://www.cisecurity.org/controls/inventory-and-control-of-software-assets/



Software Rule Types



 Create rules for authorized/unauthorized software and software that needs to be reviewed.



Lab 5: Software Authorization

Please consult pages 20 - 21 in the lab tutorial supplement for details.

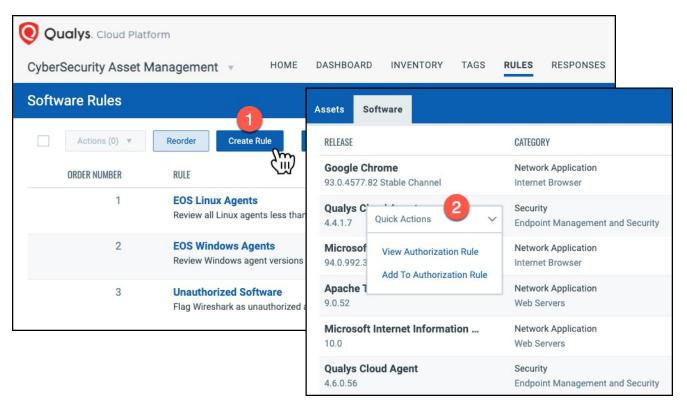


Tutorial begins on page 20.

5 mins



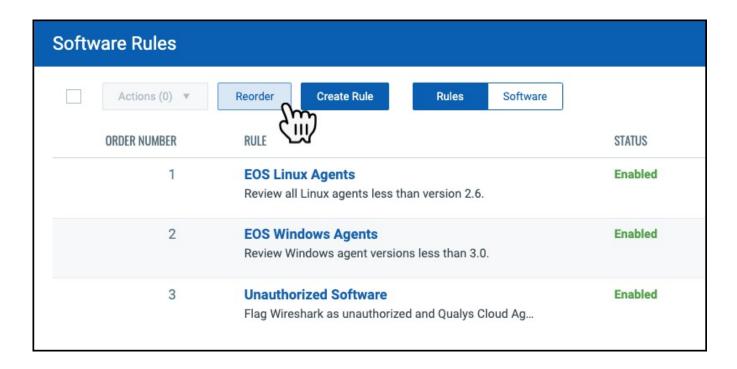
Create Software Rules



 View, create and modify rules from the RULES section or the "Software" tab under the INVENTORY section.



Rule Precedence

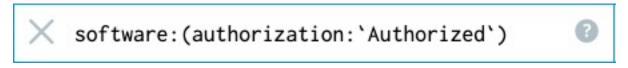


- Rules at the top of the list have precedence over the rules below.
- Click the "Reorder" button to move rules higher or lower.



Software Authorization Tokens

AUTHORIZED



UNAUTHORIZED



NEEDS REVIEW

```
X software:(authorization:'Needs Review')
```

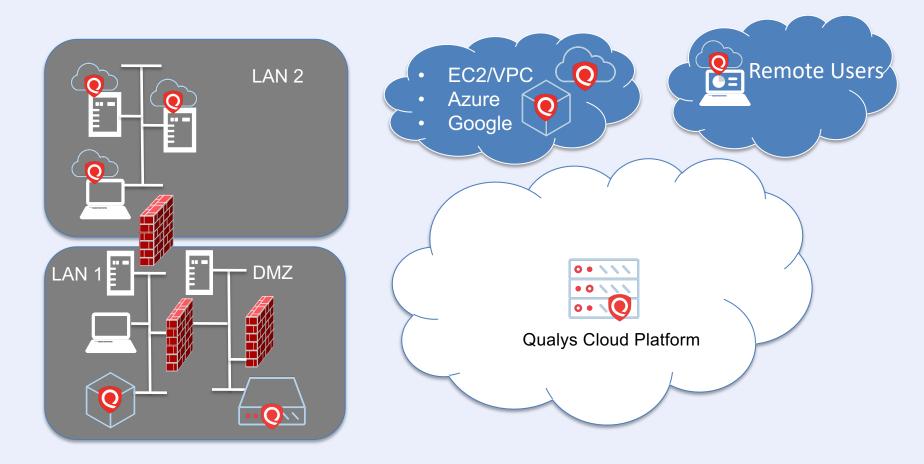
 After creating software authorization rules, software authorization tokens can be used to search and query.



Vulnerability Management



VM Sensors

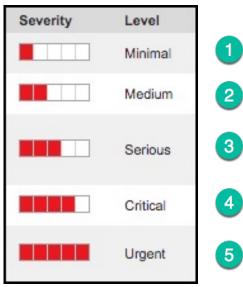


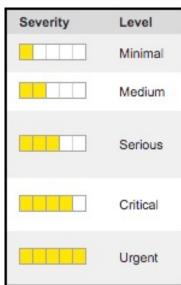


Vulnerability Findings

 Industry-leading vulnerability KnowledgeBase with tens-ofthousands of vulnerability signatures.

- Each vulnerability is ranked and associated with:
 - Qualys Severity Level
 - CVSS Score
 - CVE & Bugtraq IDs
 - Available Patches
 - Known Threats
 - Associated Malware
 - and more...





An unlimited number of ways to identify, prioritize, and patch vulnerabilities.



Lab 6 : Vulnerability Findings

Please consult pages 22 to 24 in the lab tutorial supplement for details.

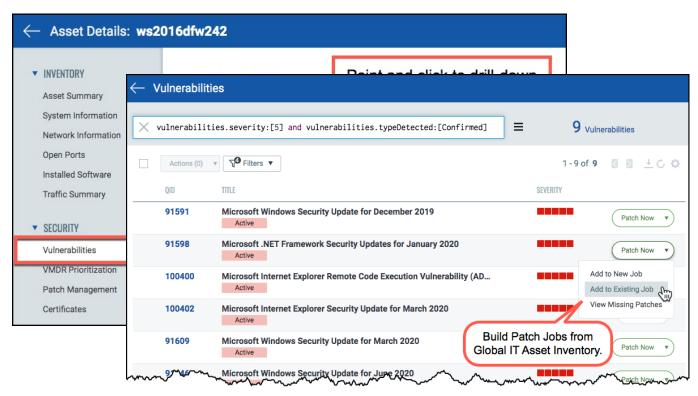


Tutorial begins on page 23.

5 mins



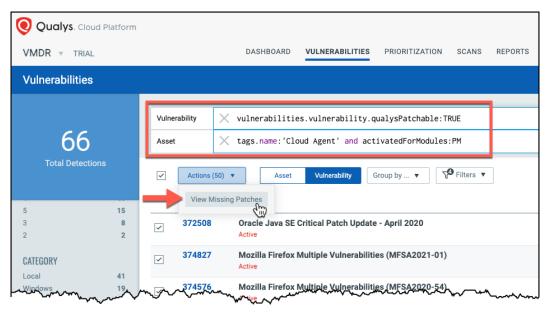
Vulnerability Findings In CSAM



 View and patch vulnerability findings from within CyberSecurity Asset Management (on a per asset basis).



Vulnerability Findings in VMDR



Which ones are patchable?

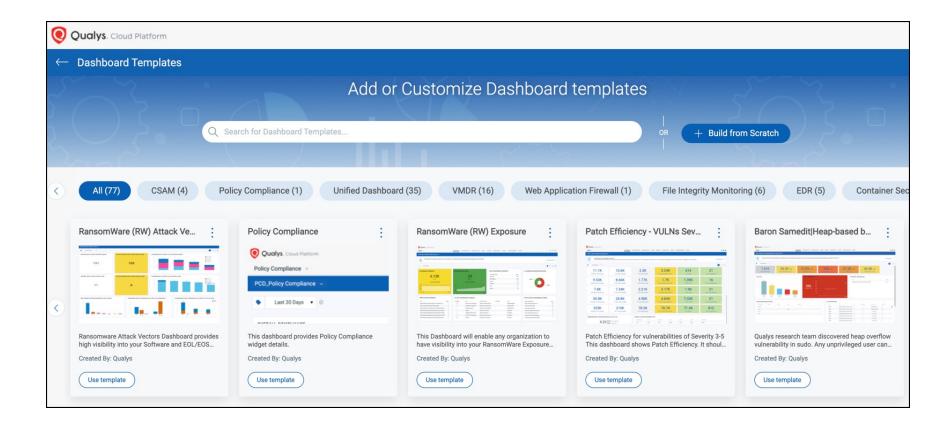
- Detected vulnerabilities must be associated with one or more patches found in the Qualys Patch Catalog
- Detection Host must be running the Qualys Cloud Agent
- 3. Cloud Agent must have the PM module activated



Dashboards & Widgets



Out-of-Box Dashboard Templates





Widget Types



 Dashboard widgets can be designed to display query results as counts, tables, columns, or pie charts,



Lab 7 : Dashboards & Widgets

Please consult pages 25 to 28 in the lab tutorial supplement for details.



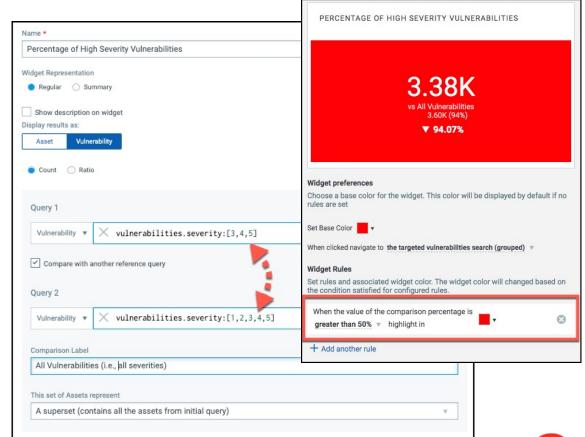
Tutorial begins on page 25.

5 mins



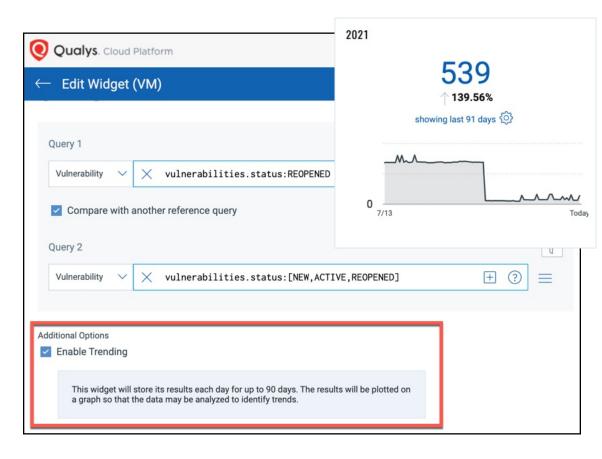
Count Widget

 The "Count Widget" can be configured to automatically change color, when specific conditions or thresholds are met.





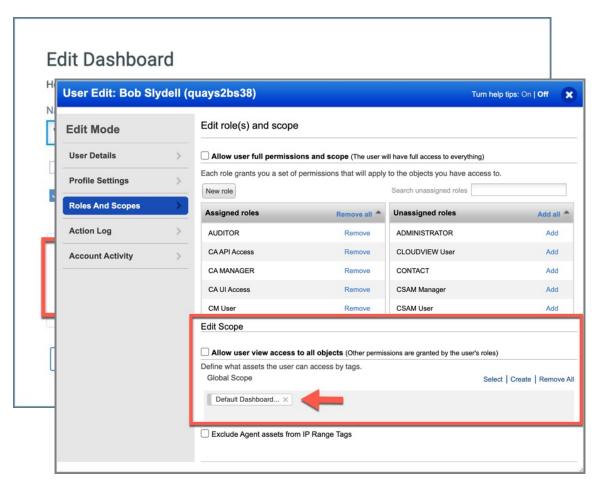
Enable Trending in Widgets



- Visualize changes or swings in momentum or progress.
- When enabled, widgets can store trend data for up to 90 days.
- Trend lines plotted on a graph are added to the widget.



Dashboard Tags



- Add one or more Asset Tags through the Dashboard Editor.
- The "Default Dashboard Access Tag" is created by Qualys.

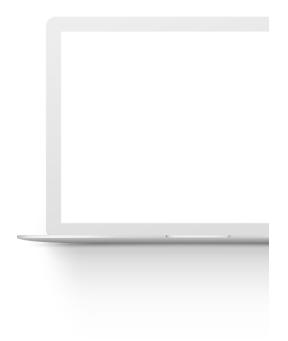
Default Dashboard Access Tag

 Share dashboards with other Qualys users by assigning "dashboard" tag(s) to their accounts.



Session Break

30 min.

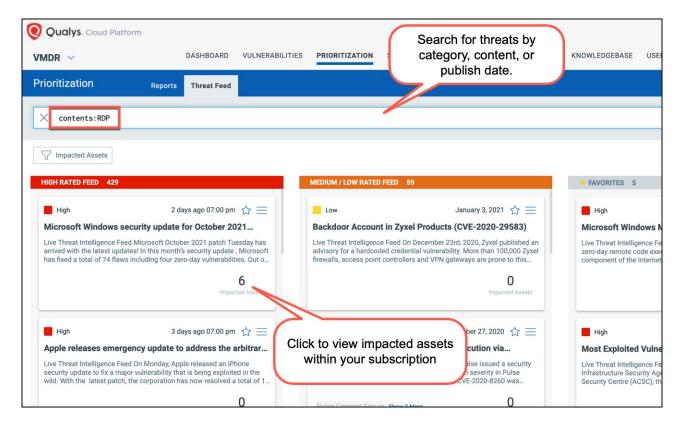




Threat Detection & Prioritization



VMDR Threat Feed



Search for threats by content, category or publish date and click to view impacted assets.



Threat Feed Sources

Exploit Sources

Source Type	Data Type
Core Security	PoC Exploits mapped to CVEs
Exploit-DB	PoC Exploits mapped to CVEs
Metasploit	PoC Exploits mapped to CVEs
Contagio Dump	Exploit Kits mapped to CVEs
Immunity - Agora - Dsquare - Enable Security - White Phosporus	PoC Exploits mapped to CVEs
Google Project Zero	Zero-Days mapped to CVEs

Malware Sources

Source Type	Data Type
Reversing Labs	CVEs associated with malware
Trend Micro	Malware names associated with CVEs
McAfee	Ransomware mapped to CVEs

• The Qualys Threat and Malware research team leverages exploit and malware data from multiple sources.



VMDR Prioritization Report



Welcome to VMDR Prioritization

Prioritize your remediation activities by adding threat intelligence and asset context to your vulnerabilities



Prioritize vulnerabilities by:

- Asset Context
- Vulnerability Age
- Threat Intelligence
- Attack Surface



Lab 8: VMDR Prioritization Report

Please consult pages 29 to 35 in the lab tutorial supplement for details.

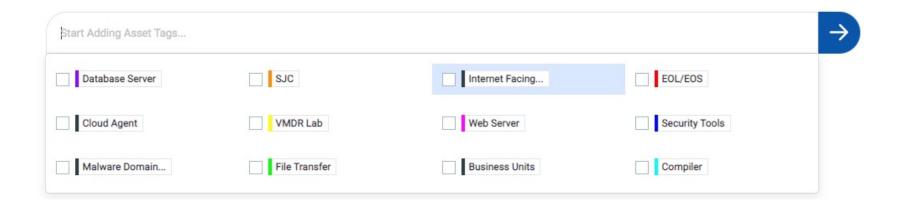


Tutorial begins on page 30.

5 min.



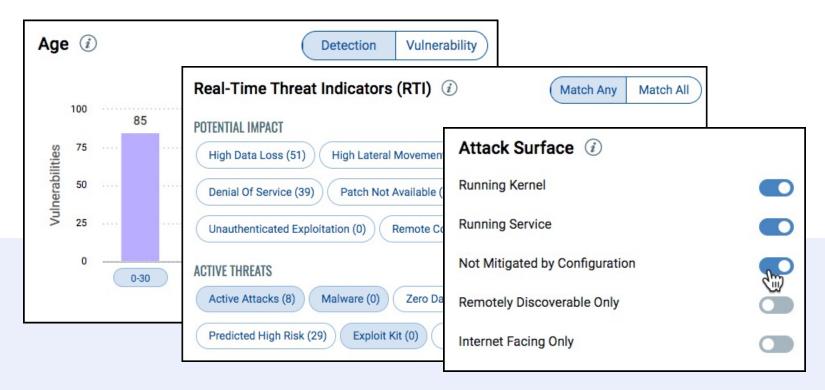
Asset Tags Add Context



- Design and build Asset Tags that help to distinguish the "context" of your assets.
- Leverage tags that use the "Asset Inventory" rule engine, along with 1) hardware, 2) software, and 3) OS categories.



Priority Options

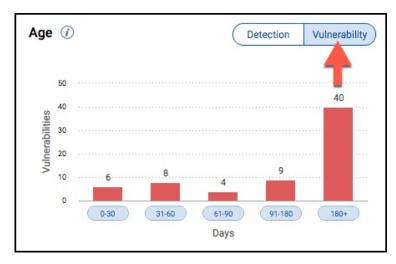


Prioritize discovered vulnerabilities by Age, RTIs, and Attack Surface.



Age

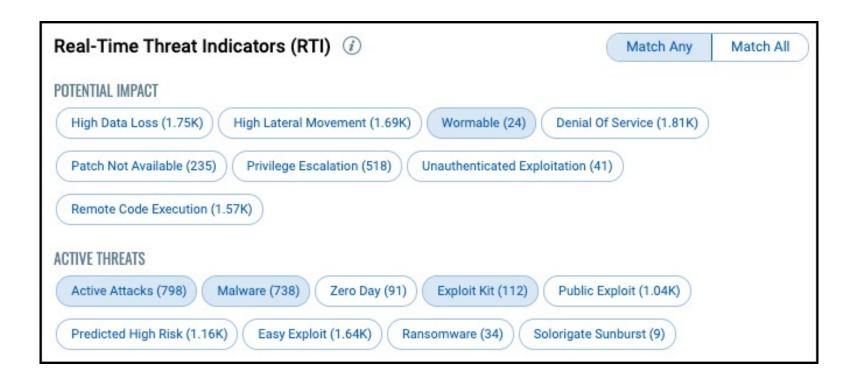




- Detection Age reflects the number of days since you first detected the vulnerability (e.g., by Qualys scanner or Cloud Agent).
- **Vulnerability Age** (i.e., real age) reflects the number days since Qualys published the vulnerability to our KnowledgeBase.



Real-Time Threat Indicators (RTI)



Provided by VMDR Threat Feed.



Attack Surface

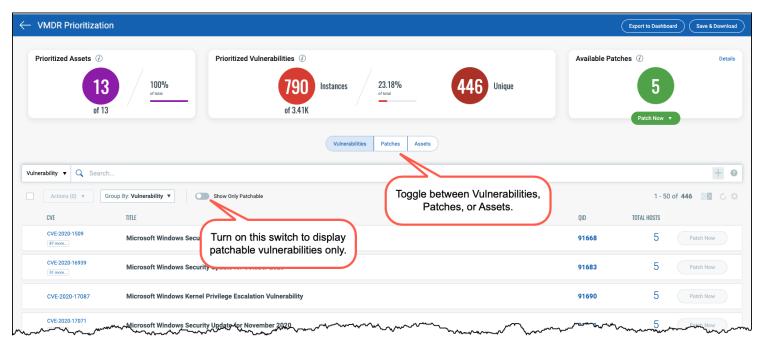


Continue to define asset context with "Attack Surface" options.



Deploy Priority Patches

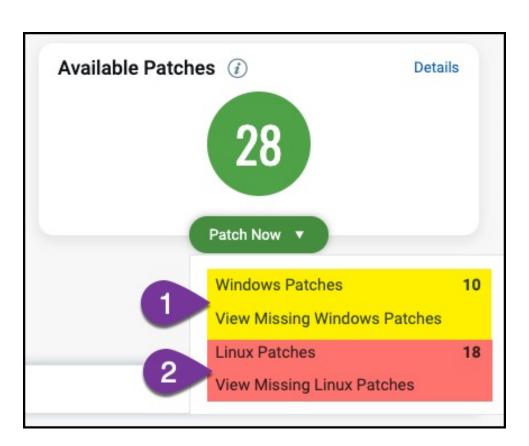




Patchable assets have Cloud Agent installed and Patch Management activated.



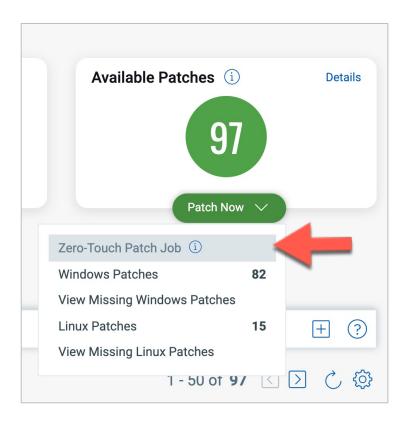
Windows & Linux Patches



- 1. Available patches provided for Windows hosts.
- 2. Available patches provide for Linux hosts.



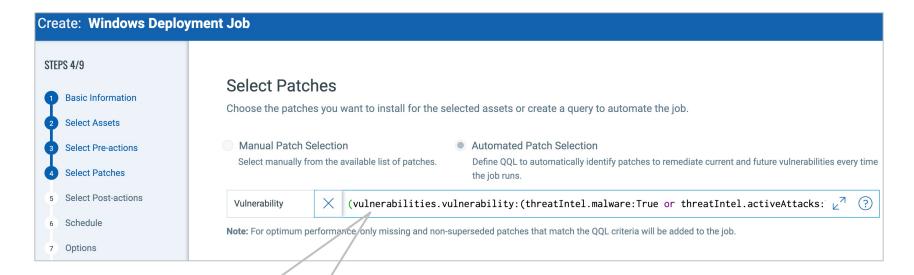
Zero-Touch Patch Job



- Select the "Zero-Touch Patch Job" option from the VMDR Prioritization Report.
- Patches are not selected individually, but instead are targeted using a query.
- Schedule patch jobs to recur daily, weekly, or monthly.
- Specific patching use-cases are ideal for "Zero-Touch" patching.



Zero-Touch Patching

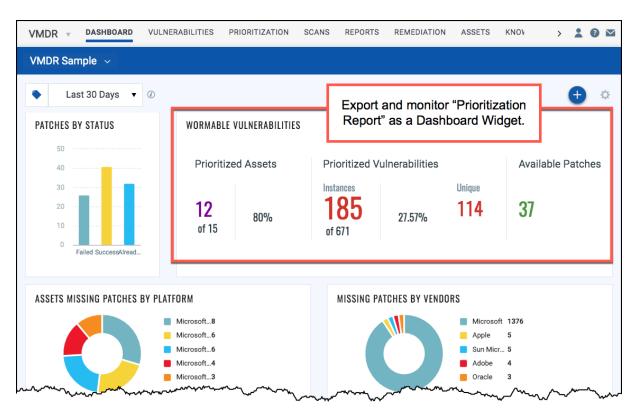


Patches that meet the query condition are added to the deployment job, automatically.

The query is generated from the options (Age, RTIs, and Attack Surface) selected in the Prioritization Report.



Export to Dashboard



Results will be continuously updated within the Dashboard Widget.



Labs 9 & 10 : Prioritization Report Use-Cases

Please consult page 36 in the lab tutorial supplement for details.



Tutorials begins on page 36.

10 mins



Patch Management



Patch Management Features & Benefits

- Automatically correlates discovered vulnerabilities with their required patches.
- Leverage existing Qualys Agents to deploy and uninstall patches.
- Covers OS and Application patches, including patches from thirdparty software vendors (e.g., Adobe, Java, Google, Mozilla, Microsoft, etc...)
- Provides patching just about anywhere an Internet connection is available (e.g., airports, coffee shops, remote offices, etc...).
- Focus on missing patches that have not been superseded.
- Build patch jobs that target specific vulnerabilities, severity levels,
 and known threats.



Patch Sources

OS and Application Patches come from:

- Vendor Global CDNs (e.g., Oracle, Adobe, Microsoft, Apache, Google, etc...)
 - Qualys uses both digital signatures and hash values to validate downloaded patches, which are validated again, via Qualys Malware Insights.
- Local repository (i.e., Qualys Gateway Server)
 - Patch downloads requested by one agent, are cached on QGS and made available "locally" for other agents that need the same patch.



Qualys PM Workflow

- 1. Install Cloud Agent on target host.
- Assign target agent host to a CA Configuration Profile that has PM configuration enabled.
- 3. Activate PM module on target agent host.
- 4. Assign target agent host to an enabled Assessment Profile.
- 5. Allocate patching licenses.
- 6. Create Patch Jobs.



Patch Deployment Job



Deployment Job Wizard

STEPS 1/7

- Basic Information
 - 2 Select Assets
- 3 Select Patches
- 4 Schedule
- 5 Options
- 6 Job Access
- 7 Confirmation

- Build patch jobs step-by-step.
- Select assets and patches.
- Configure scheduling option or run on-demand.
- Configure communication and reboot options.
- Assign access to a job.



Lab 11 : Patch Deployment

Please consult pages 37 to 41 in the lab tutorial supplement for details.

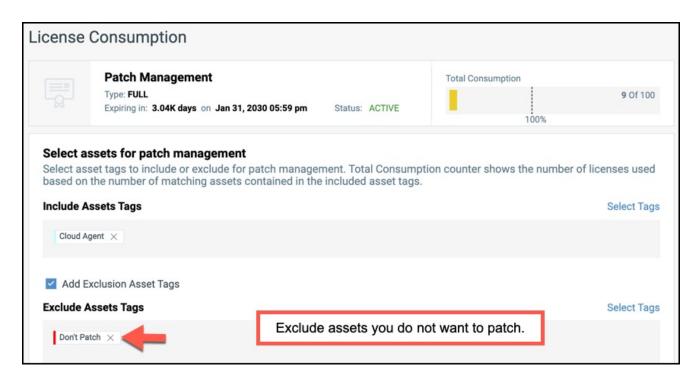


Tutorial begins on page 37

10 mins



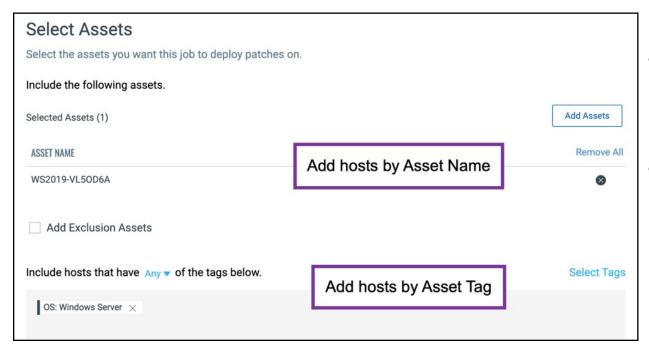
License Consumption



- Use Asset Tags to specify hosts for patching and to exclude others.
- Only agent host assets will consume a patch license.



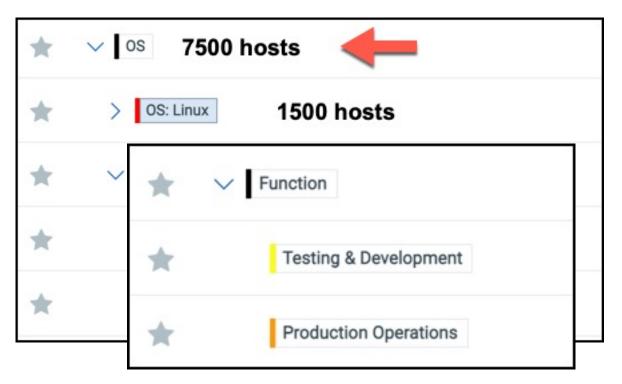
Targeted Assets



- Add assets to a
 Deployment Job by
 Asset Name or
 Asset Tag.
- Asset Tags are automatically transferred from VMDR Prioritization Report.



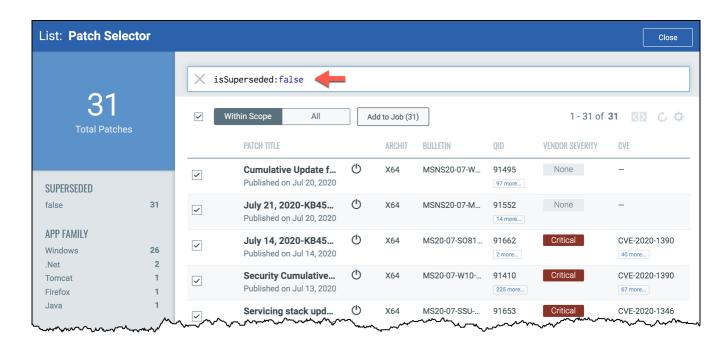
Asset Tag Tips



- Design Asset Tag hierarchies with nested structures.
- Selecting a "parent" tag as a patching target, includes its "child" tags automatically.
- Use tags to distinguish between production and testing assets.



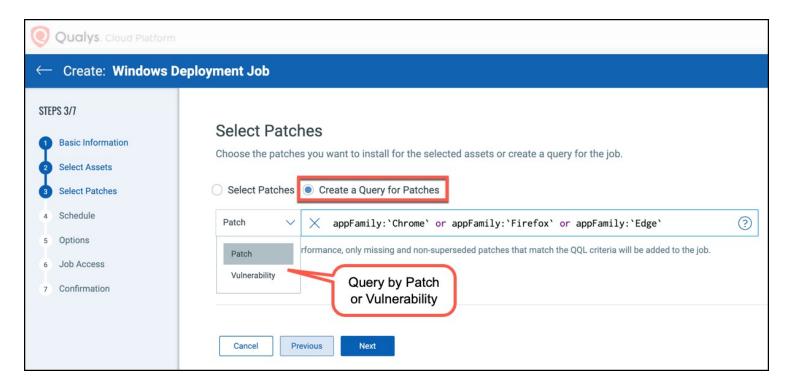
Targeted Patches



 Build more efficient patch jobs by focusing on patches that have not been superseded.



Select Patches Using QQL



- The query specifies the targeted patches.
- Choose between Patch or Vulnerability when constructing a query.



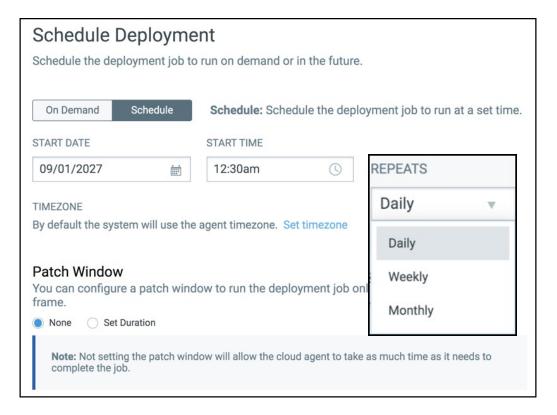
"Within Scope" Patch



 "Within Scope" only includes patches needed by your targeted host assets.



Schedule Deployment



Run jobs "on demand" or schedule them to run at regular frequencies.



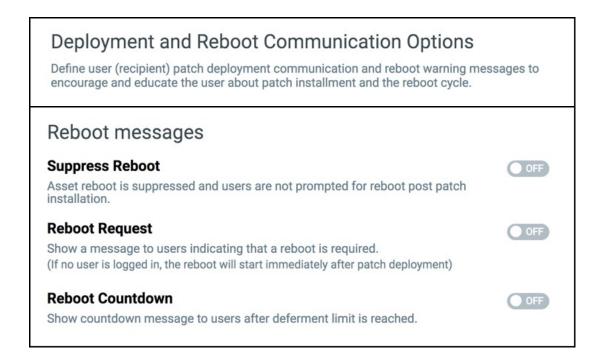
Patch Window



- A host will display the "Timed out" status, if the patch installation does not start within a specified patch window.
- Select the "None" option to give agents an unlimited amount of time.



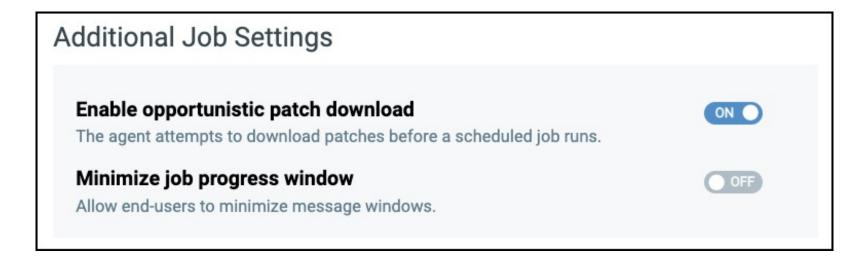
Windows Communication Options



 Choose the type of "Deployment and Reboot Communication Options" for each Deployment Job.



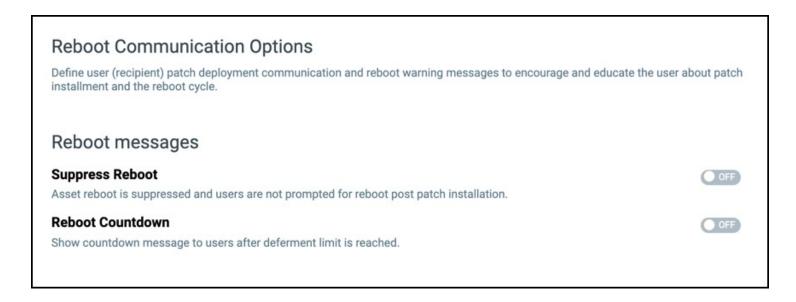
Opportunistic Patch Download



 You can "Enable opportunistic patch download," to allow agents to download required patches prior to the start of a scheduled job.



Linux Communication Options



Suppress Reboot and Reboot Countdown



Add to Existing Job?



- Patches and assets can be added to any deployment job, before it is enabled
- Patches and assets can be added to a "recurring" job, both before and after it is enabled.



Best Practices

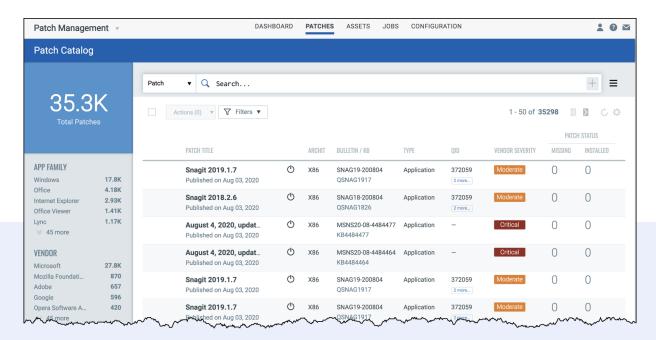
- Use Asset Tags as targets for patch deployment jobs.
- Deploy patches to test hosts, first (create Asset Tags that distinguish between test and production assets).
- Once test deployments are verified, clone the deployment job and include production asset tags



Patch Catalog



Patches



- The Patch Catalog contains tens of thousands of OS and application patches.
- Presently, you can add up to 2000 patches to a single job.



Lab 12 : Patch Catalog

Please consult pages 42 to 46 in the lab tutorial supplement for details.

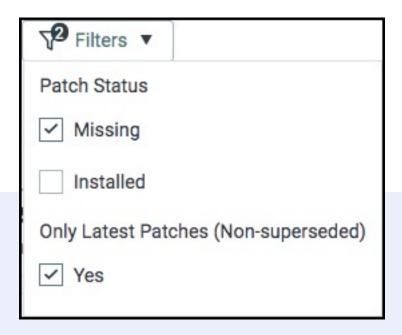


Tutorial begins on page 42.

10 mins



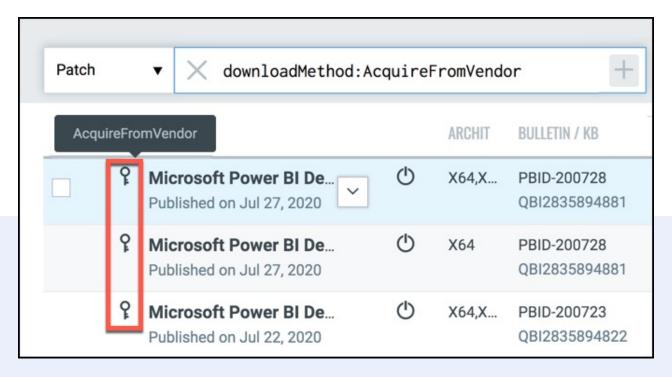
Catalog's Default Display Filters



 The default filters in the Patch Catalog, display patches that are missing and only the latest patches (non-superseded).



Acquire From Vendor



 Patches identified with the "key-shaped" icon, cannot be downloaded by Qualys' Cloud Agent.





Prioritized Products



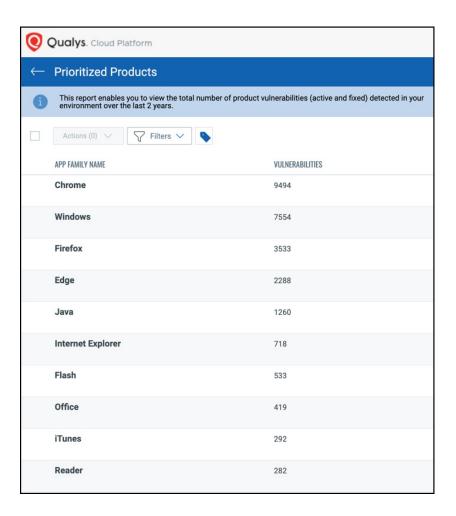
Prioritized Products

- Automate the selection of patches in recuring deployment jobs
- Patches are selected using QQL
- Patches meeting the query condition are included in scheduled deployment jobs (daily, weekly, monthly)
- Patch Jobs are initiated from the Patch Catalog (i.e., click the "Prioritized Products" button).



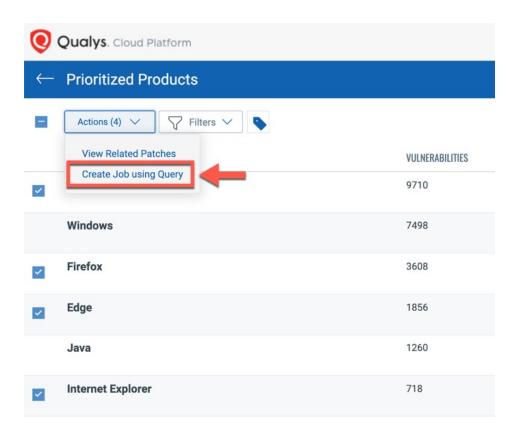
Prioritized Products

 Products listed near the top, introduce the most vulnerabilities into your business and enterprise architectures.





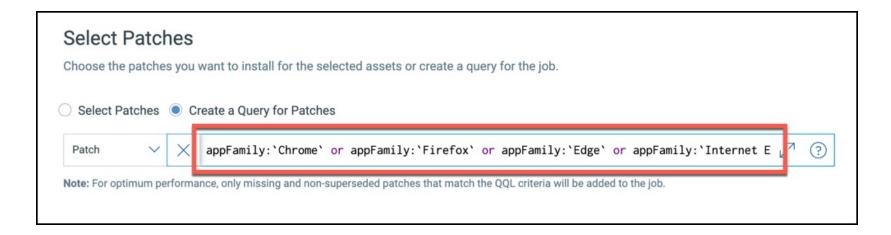
Create Job Using Query



- Select applications from the "Prioritized Products" list and use the "Actions" button to "Create Job using Query."
- A query designed to target the selected applications is constructed automatically (using QQL).



Create a Query for Patches



• The generated query condition(s) will specify the criteria for selecting patches each time the job runs (daily, weekly, monthly).

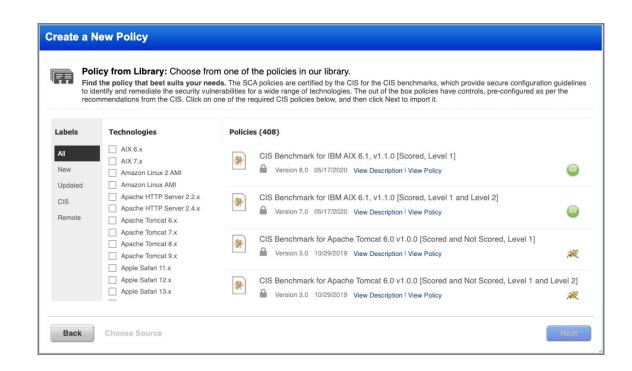


Additional VMDR Applications



Security Configuration Assessment (SCA)

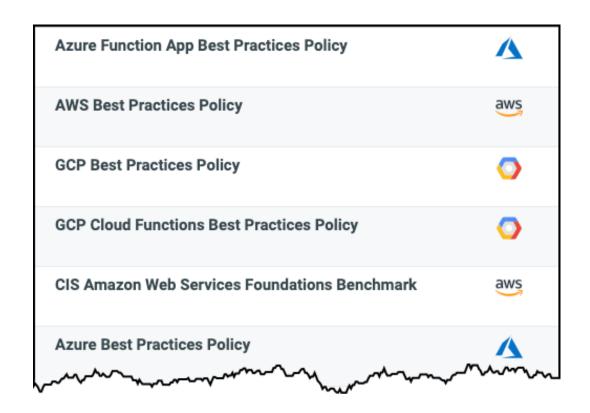
- Monitor and assess assets for misconfigurations.
- Leverage Qualys Scanners and Agents.
- Provides over 400 CIS
 Benchmark Policies for
 hundreds of OS and
 application technologies.
- Upgrade from SCA to PC.





CloudView & Cloud Security Assessment (CSA)

- Leverage Qualys Cloud Connectors.
- Add cloud-based assets to your asset inventory.
- Collect metadata to assess both your account and assets for misconfigurations.
- CSA provides "out-of-box" policies for your AWS, Azure, and Google accounts.



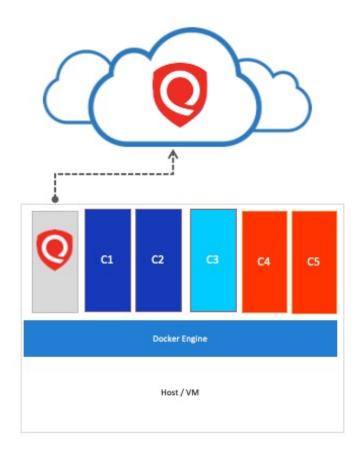


Container Security (CS)

- Assess container applications for vulnerabilities and misconfigurations.
- Deploy Container Sensors right along side other container applications.

Container Sensor Types:

- 1. General Sensor
- 2. Registry Sensor
- 3. CI/CD Pipeline Sensor

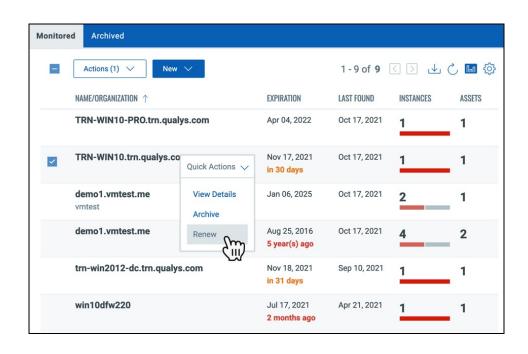




CertView (CERT)

Leverage Qualys Scanner Appliances to provide visibility into certificates across your network and enterprise architecture (on-premise and cloud-based).

- Create a baseline inventory of existing certificates and monitor for new certificates.
- Identify certificates that have weak signatures or key lengths and Certificate Authorities that have not been vetted or approved.
- Certificate grades allow administrators to quickly assess server SSL/TLS configurations.
- Certificate Renewals prevent expired and expiring certificates from interrupting critical business functions.





Continuous Monitoring









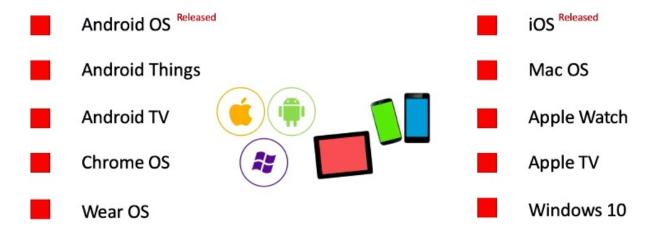




- Add custom alerts to your vulnerability assessment program for immediate response.
- CM works in tandem with VM/VMDR:
 - Deploy Qualys Scanner Appliances and/or activate the VM module for deployed Qualys Agents.
 - Schedule frequent or continuous vulnerability scans.



VMDR for Mobile Devices



- Collect inventory and configuration data from your mobile devices (integration with Qualys Global AI).
- Perform vulnerability and compliance assessments.
- Perform active device operations, like locking a screen or locating a missing device.



Following This Course

VMDR Certification Exam

https://gm1.geolearning.com/geonext/qualys/scheduledclassdetails4enr oll.geo?&id=22511237824

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